

2

3 **GASEOUS CAVITY FOR FORWARD-LOOKING SONAR QUIETING**

4

5 **ABSTRACT OF THE DISCLOSURE**

6 A sonar quieting system for a forward-looking sonar array
7 is provided. The sonar quieting system includes a cavitator for
8 forming an envelope, a strut for supporting the cavitator to a
9 marine platform, such as a ship, a forward-looking sonar array
10 mounted to a forward face of the cavitator, and a ventilation
11 system for pumping a gas, such as air, into the envelope to
12 create a gas cavity which envelops the supporting strut and
13 equipment downstream of and during a forward movement of the
14 cavitator.